

# Tricia L. Holman

see projects at portfolio: <https://stormy9.github.io/stormcloud.enterprises@gmail.com> -- 971-264-3643

## Education

### Western Oregon University

Applied Baccalaureate of Science → Computer Science

2017 ↔ 2020 GPA==3.6

2018\19: Edward B. Wright  
Computer Science Scholarship

### Chemeketa Community College

Associate of Science → Computer Systems & Information Technology

2015 ↔ 2017 GPA==3.9

## Languages + Frameworks

- C# + LINQ + Razor
- ASP.NET \ MVC5
  - entity \ identity
- HTML5 + CSS3 + the DOM
  - responsive design
- Bootstrap3+4
- JavaScript / jQuery
- AJAX + REST API's
- JSON + YAML
- Database design\dev:
  - SQL / T-SQL + DDL
  - MySQL / MariaDB
  - MongoDB / Firebase
  - Oracle APEX
  - MS-SQL Server
- LAMP stack + PHP

## WOU Senior Project

### Software Engineering I + II + III

#### Petopia: Team Nerdvana \ Capstone Project \ Senior Sequence

A pet care web application for Pet Owners to find Pet Care Providers, and for pet lovers to earn income by registering as a Pet Care Provider.

Designed & developed data modeling & relational database to back the app

**Features:** User registration & login ... role selection ... profile creation for Pet Owners, Pets, & Care Providers ... photo handling ... Pet Care Appointment transaction system (book\request, confirm\decline, reschedule, cancel) with email confirmations & on-site notifications for both parties ... Pet Owner ↔ Care Provider ratings & comments ... pet badges ... proximity finder ... payment processing API... security checks so only the right people can access particular pages... input validation

Developed algorithm combining proximity + rating + badges to calculate a user score to recommend & rank Pet Care Providers to Pet Owners

Practiced Disciplined Agile Delivery for Inception\Design\Construction ... developed Epics\User Stories\Descriptions\Tasks ... Pivotal Tracker to plan & track sprints ... Git(Hub) for version control & collaboration

**My contributions:** Petopia was my “baby” ... all CSS\Bootstrap & implementation of our user interface design ... 95% of the coding for our transactional system ... 95% of our project documentation

## other projects from college career

### Database Management

**Term project:** designed & developed relational database for fictional “Happy Tails Dog Walkers”, using MS Access & writing DDL/SQL... multiple tables, forms, queries, reports – plus friendly user interface and all documentation, user guide, ERDs. (project=100% – class=98.7%)

### Systems Analysis

**Term project:** developed & documented plans, architecture, business rules, user stories, and flow diagrams\data modeling to augment & complement existing db app – evolving Happy Tails into fully functional, responsive, intuitive, user-friendly web app. (project=100% – class=99%)

### Web Application Development

**Term project:** re-worked (purposely) poorly designed\developed web app into responsive, functional, appealing design... including database interaction with user registration\log-in & security using SQL & PHP. (project=100% – class=96.7%)

- Python + pipenv \ Flask
- Java \ object-oriented
- XML + Markdown
- VisualBasic \ event-driven
- Haskell \ functional

## useful things...

- Git \ GitHub + Bash
- Postman \ cURL \ Insomnia
- Redis + Celery
- nginx \ load balancing
- Swagger + connexion
- Azure \ web apps + DB
- AWS \ VM's + DB
- Heroku
- VisualStudio \ Eclipse
  - LINQpad
  - other tools
- software/unit testing + site/page validation
  - pytest + coverage
  - html \ css validation
- Linux OS's
  - Bash + CLI
- Agile \ DAD
  - Pivotal Tracker
  - Slack + Discord
  - lots of stuff!

## post-grad fun...

- node.js
- react
- angular
- ASP.NET core
  - making an API

## Computer Science II ~ Java

**Final project:** designed/coded mini “shopping” app demonstrating GUI, file read/write, inheritance & polymorphism, try/catch blocks and exception handling. First experience with Java (skipped CS I).  
(*project=100% – class=97.6%*)

## Information Management

**Final [team] project:** collaboratively designed & developed relational database for a fictional wine collector from ground up; using Oracle APEX and writing DDL/SQL... comprising multiple tables, forms, queries, & reports – plus intuitive & attractive user interface; documentation, modeling\ERDs, and user guide.  
(*project=100% – class=97%*)

## Microservices Architecture

**Term project:** extracted activity logging to a microservice from monolithic web app “Wolfit” (*developed for our class from reddit API*)... self-taught python on the fly... project included pytest+coverage, mongoDB, writing & calling RESTful APIs, load balancing with nginx, handling asynchronous calls with redis+celery, using swagger+connexion for API management... on AWS VM + Linux via Chromebook!  
(*project graded incrementally – class=92%*)

## Own / Operate Business

### Stormcloud Enterprises ~ Independent Contractor

Mystery Shopping/Auditing ~ October 2010 to September 2015

- Built professional working relationships with 100+ customer service research\evaluation consulting firms (my clients)
- Successfully completed 1800+ audits, both undercover & revealed, at dozens of businesses in Northwest Oregon
- Memorized & carried out a variety of complex scenarios to accurately fulfill shop or audit requirements
- Objectively evaluated & documented customer service, facilities, inventory, and presentation; typically while remaining unnoticed
- Produced professional, comprehensive reports per client specifications; prepared required documentation & evidence (including photos), with 12–24 hour turnaround
- Set & managed schedule; developed spreadsheet to track clients, assignments, locations, dates/times, hours, mileage/ drive-time, supplies, payments/reimbursements pending\received, tax data

## Receptionist / Phone Operator

### Business Connections Answering Service

w/Discrete Math Summer Intensive ~ April to September 2018

- Answered 150(+/-) calls per 6-hour shift on weekdays... lower call volume on Sundays – but more in-depth interaction\service
- Handled calls for healthcare; veterinarians; lawyers; residential & commercial services; non-emergency police; county\city public service lines, various professional services